FIG. 1

100

Multicast-Capable System

Requesting System

| Transmitting Service Information 102 | → | Receiving Service Information 104 |

↓

Transmitting IGMP Membership Report Message 106

YES ← ⟨ Transmission Successful ? ⟩ ← (from 106)

NO

End

⟨ Re-Transmit? 108 ⟩ **YES** → (to 106)

NO ↑

Receiving IGMP Membership Report Message 110

Receiving Negative Acknowledge Message 116

↓

YES ← ⟨ Membership Approved? 112 ⟩

NO ↓

Transmitting Negative Acknowledge Message 114

Receiving Affirmative Acknowledge Message 122

Transmitting Affirmative Acknowledge Message 118

Receiving Affirmative Acknowledge Message 124

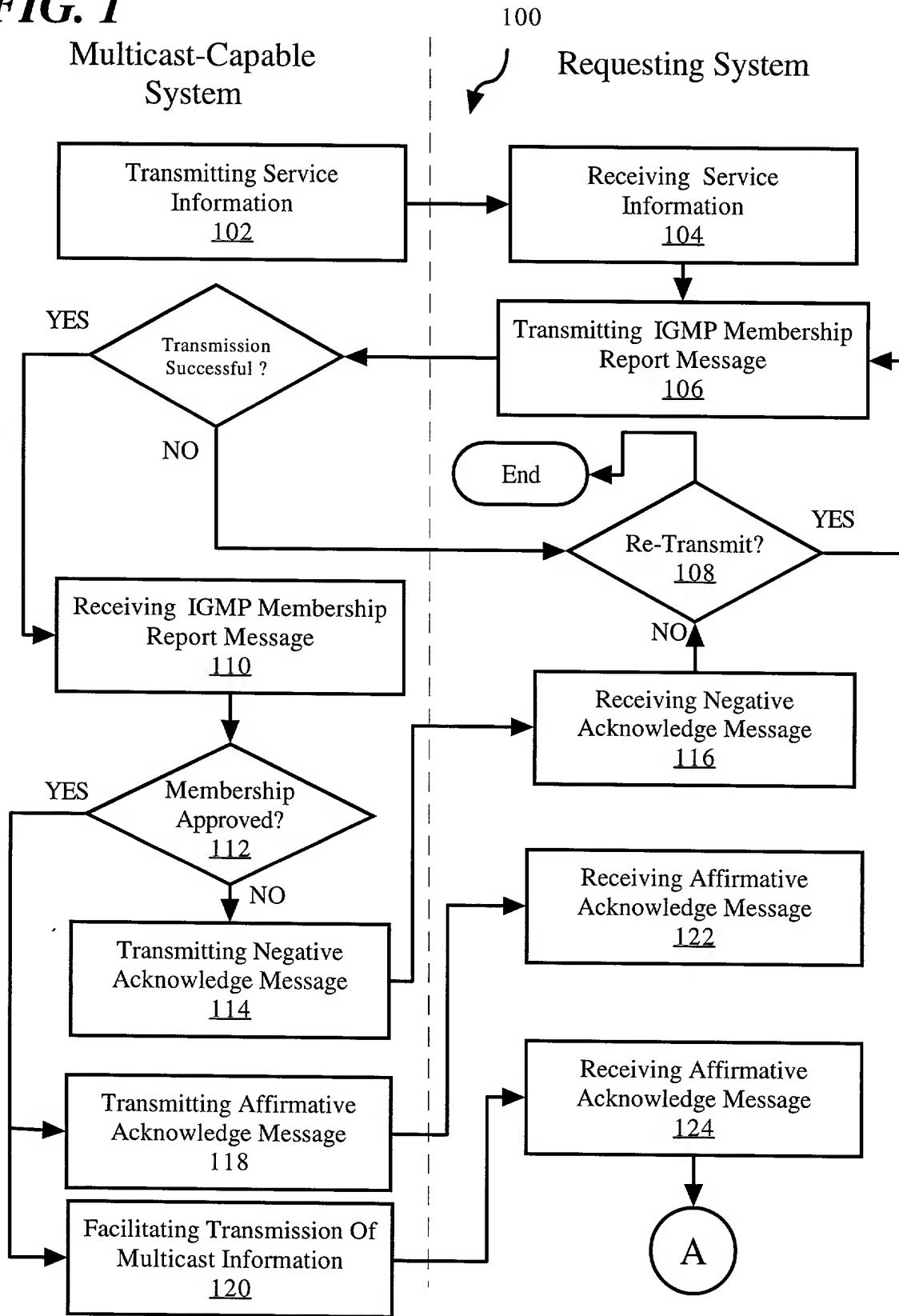Facilitating Transmission Of Multicast Information 120

(A)

FIG. 2

Multicast-Capable System

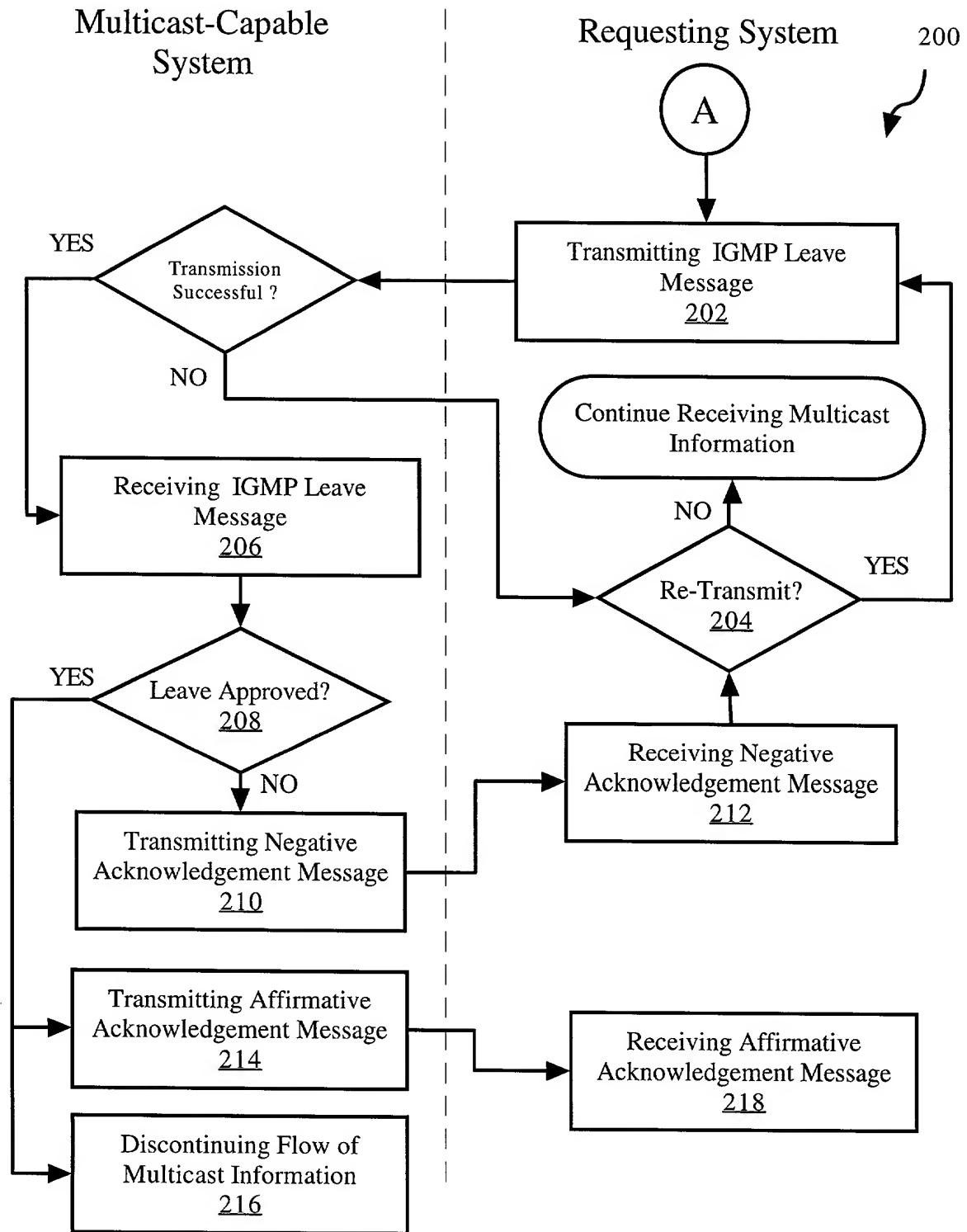Requesting System 200

(A)

Transmitting IGMP Leave Message
202

YES ← Transmission Successful ? → NO

Continue Receiving Multicast Information

Receiving IGMP Leave Message
206

Re-Transmit?
204
NO / YES

YES ← Leave Approved?
208
NO

Receiving Negative Acknowledgement Message
212

Transmitting Negative Acknowledgement Message
210

Transmitting Affirmative Acknowledgement Message
214

Receiving Affirmative Acknowledgement Message
218

Discontinuing Flow of Multicast Information
216

FIG. 3

```
 0                   1                   2                   3
 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
```

Type 302	Unassigned 304	Checksum 306
Multicast Group Identifier 308		
Ack Type 310	Additional Cause Information 312	